

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| L1    | 660   | ("heat sink" or "heatsink") with "variable"                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/23 08:55 |
| L2    | 0     | ((("moveable" or "move-able") near ("fin"))) same ("heat sink" or "heatsink") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/23 08:56 |
| L3    | 1     | ((("moveable" or "move-able") near ("fin"))) and ("heat sink" or "heatsink")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/23 08:56 |
| L4    | 13    | ((("movable" or "move-able") near ("fin"))) and ("heat sink" or "heatsink")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/23 08:58 |
| L5    | 6     | ("adjustable" near "fin") and ("heat sink" or "heatsink")                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/23 08:58 |
| L6    | 11729 | (361/687-723).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/23 09:01 |
| L7    | 120   | L6 and "sealed enclosure"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/23 09:01 |
| L8    | 92    | L6 and "sealed housing"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/23 09:01 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| L9  | 112  | 7 not L8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 09:01 |
| L10 | 45   | ("4000776"   "4118756").PN. OR<br>("4233645").URPN.         | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/03/23 09:11 |
| L11 | 2609 | (257/712).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/23 09:13 |
| L12 | 1186 | 11 and ("movable" or extend\$4 or<br>protrud\$4)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 09:13 |
| L13 | 191  | 11 and (fin same ("movable" or<br>extend\$4 or protrud\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 09:27 |
| L14 | 1772 | (312/236).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/23 10:03 |
| L15 | 28   | 14 and (fin same ("movable" or<br>extend\$4 or protrud\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 09:30 |
| L16 | 1266 | (257/722).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/23 11:00 |
| L17 | 171  | 1 and fins  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 10:03 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L18 | 57   | 14 and fins   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/23 10:03 |
| L19 | 13   | ("5065278"   "5896268"  <br>"6118662").PN. OR ("6396691").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/03/23 10:06 |
| L20 | 45   | ("4000776"   "4118756").PN. OR<br>("4233645").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/03/23 10:07 |
| L21 | 16   | ("4849858"   "5243218"   "5367434"<br>  "5699235"   "5777844"  <br>"5946192"   "6072697"   "6081425"<br>  "6097600"   "6185101"  <br>"6222732"   "6252775").PN. OR<br>("6501662").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/03/23 10:08 |
| L22 | 351  | "movable fin"   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/03/23 10:09 |
| L23 | 481  | "movable fin"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/23 10:15 |
| L24 | 7337 | (movable or protrud\$4 or extend\$4)<br>adj "fin"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/23 10:16 |
| L25 | 6956 | (movable or protrudes or extend\$4)<br>adj "fin"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/23 10:16 |
| L26 | 45   | ("4000776"   "4118756").PN. OR<br>("4233645").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/03/23 10:44 |
| L27 | 439  | "sealed housing" and "heat sink"  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/03/23 10:44 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| L28 | 16  | ("4849858"   "5243218"   "5367434"   "5699235"   "5777844"   "5946192"   "6072697"   "6081425"   "6097600"   "6185101"   "6222732"   "6252775").PN. OR ("6501662").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/03/23 10:48 |
| L29 | 27  | ("3741292"   "3999105"   "4313492"   "4323914"   "4449580"   "4727454"   "4805691"   "4808457"   "4847731"   "4888663"   "4949164"   "4959111"   "5057909").PN. OR ("5305184").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/03/23 10:51 |
| L30 | 192 | 16 and "sealed"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 11:00 |
| L31 | 16  | ("2590803"   "3230290"   "3825148"   "3829546"   "3895735"   "3974933"   "4492817"   "5382752"   "5560511"   "5864091"   "5880401"   "6294724").PN. OR ("6455768").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/03/23 11:06 |
| L32 | 209 | (174/17ct).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/23 11:06 |
| L33 | 3   | 32 and fins  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 11:06 |
| L34 | 824 | (174/17r,17.05).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/23 11:06 |
| L35 | 33  | 34 and fins  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 11:07 |

## EAST Search History

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| L36 | 573    | ("sealed housing" or "sealed chassis" or "sealed enclosure") and "component" and "fins" and ("aluminum" or "copper" or "metal" or "metallic") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 11:16 |
| L37 | 2      | ("20010012212").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/23 11:29 |
| L38 | 4      | "guide hole" and "movable fin"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 11:30 |
| L39 | 145    | ("hole" or "opening" or "aperture") same "movable fin"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 11:30 |
| S1  | 374    | (361/703).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 10:38 |
| S2  | 199994 | "361"/  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 10:38 |
| S3  | 11714  | (361/687-723).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 10:39 |
| S4  | 92     | S3 and "sealed housing"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/23 09:01 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S5  | 2     | "sealed housing" and "movable fin"                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 10:47 |
| S6  | 6     | "sealed housing" and "movable pin"                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 10:48 |
| S7  | 1733  | ("sealed" with "housing") and<br>("movable" with ("fin" or "pin"))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 10:48 |
| S8  | 318   | ("sealed" with "housing") same<br>("movable" with ("fin" or "pin")) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 10:58 |
| S9  | 85583 | ("sealed" with "housing") or "sealed<br>housing"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/23 08:46 |
| S10 | 26593 | S9 and "circuit"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 10:58 |
| S11 | 12555 | S10 and "temperature"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 10:59 |
| S12 | 6143  | S11 and ("fin" or "piston" or "pin")                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 10:59 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S13 | 5217 | S11 and ("fin" or "pin")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 11:02 |
| S14 | 510  | "sealed housing" and "circuit" and<br>(("fin" or "pin") with ("protrudes" or<br>"extends" or "pops")) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 11:33 |
| S15 | 551  | (337/56,66).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 11:38 |
| S16 | 390  | (337/91,348,367).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 11:41 |
| S17 | 1382 | (361/687).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 16:51 |
| S18 | 1363 | S17 not S1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 11:43 |
| S19 | 76   | S18 and (protrud\$3 same ("fin" or<br>"pin"))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 12:38 |
| S20 | 824  | (174/17r,17.05).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/23 11:06 |

## EAST Search History

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S21 | 16    | ("2590803"   "3230290"   "3825148"   "3829546"   "3895735"   "3974933"   "4492817"   "5382752"   "5560511"   "5864091"   "5880401"   "6294724").PN. OR ("6455768").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/03/22 14:09 |
| S22 | 643   | (165/80.2).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 14:29 |
| S23 | 243   | (337/56).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 14:35 |
| S24 | 330   | (337/66).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/22 14:36 |
| S25 | 18591 | "communication" and ("sealed" same ("housing" or "chassis" or "enclosure")) and "circuit"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 16:52 |
| S26 | 12286 | "communication" and ("sealed" with("housing" or "chassis" or "enclosure")) and "circuit"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 16:52 |
| S27 | 4156  | "communication" and ("sealed" near ("housing" or "chassis" or "enclosure")) and "circuit"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 16:53 |
| S28 | 1544  | S27 and ("fin" or "pin")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/22 16:55 |



## EAST Search History

|     |      |             |   |    |    |                  |
|-----|------|-------------|---|----|----|------------------|
| S29 | 1361 | S28 not S14 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/22 16:56 |
|-----|------|-------------|---|----|----|------------------|